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Cement-based filler-contg. workpiece - uses at least two fillers of graded particle size

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Patent Details:

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JP 60191074	A		4		.

Inorganic hardened body is produced using common cement having approx. 20 microns of mean particle size and approx. 2500-4000 cm²/g of Blaine's value and two or more reactive fillers having different particle size distributions. The reactive fillers are classifiable in two gps. by their size distributions, and one of them i.e., a gp. of larger particle size, contains more than 90wt.% of particles having 10-100 microns in size and another one (i.e., a gp. of smaller particle size) contains more than 90wt.% of particles smaller than 10 microns in size. The two gps. have a wt. ratio of (the former)/(the latter) = 5/1-2/1. The cement is employed not less than 30wt.% on the total.

The cement is Portland cement or slag cement, etc. The filler of larger particle size is fly ash, white clay, diatomaceous earth, etc. The filler of smaller particle size is silicon dust, pulverised fly ash, pulverised silica stone, etc.

ADVANTAGE - Inorganic hardened body of cement having improved mechanical properties is produced by the use of reactive fillers having special particle size distribution.

International Patent Class (Additional): C04B-038/08

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MANUFACTURE OF INORGANIC CURED BODY

PUB. NO.: 60-191074 A1

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